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- (71) Applicant (for all designated States except US): **ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY** [US/US]; 1300 Morris Park Avenue, Bronx, NY 10461 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DIAMOND, Betty, A.** [US/US]; 1 Sigma Place, Bronx, NY 10471 (US). **VOLPE, Bruce, T.** [US/US]; 1 Sigma Place, Bronx, NY 10471 (US).
- (74) Agents: **ARNOLD, Craig, J. et al.**; Amster, Rothstein & Ebenstein LLP, 90 Park Avenue, New York, NY 10016 (US).
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(54) Title: TREATMENT OF COGNITIVE DYSFUNCTION UN LUPUS

(57) Abstract: Methods of preventing binding of an anti-double stranded (ds)-DNA antibody to a neuron in a mammal exhibiting or at risk for lupus-induced cognitive dysfunction are provided. Methods of inhibiting progression of cognitive dysfunction in a mammal exhibiting or at risk for lupus-induced cognitive dysfunction are also provided. Also provided are methods of inhibiting progression of cognitive dysfunction in a mammal exhibiting or at risk for lupus-induced cognitive dysfunction. Additionally, methods of inhibiting progression of cognitive dysfunction in a mammal exhibiting or at risk for lupus-induced cognitive dysfunction are provided. Further provided are methods of inducing cognitive dysfunction in a mammal, and nonhuman mammal treated with a DNA mimotope in such a manner to induce antibodies that bind to ds-DNA and an NR2 subunit of a neuron in the mammal, then, after the antibodies are induced, treated to temporarily open the blood brain barrier.

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